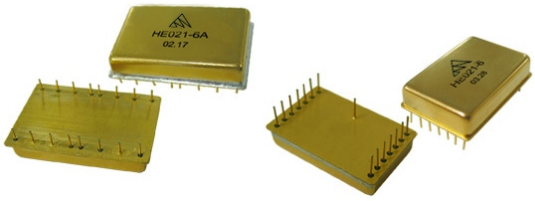
HE021-6/HE021-6A
6 way 0° Power Combiner/Splitter



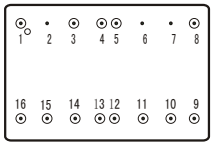
Features
- Low insertion loss, High isolation
- Perfect phase/amplitude balance
- Low VSWR
- 50 Ω impedance
- HD-28C,DIP-15 packages available
- Operating temperature range:-55℃～+85℃

Specifications(measured in a 50 Ω system T_A=-55℃～+85℃)

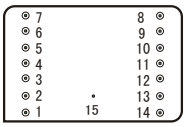
Parameter	Symbol	Unit	Guaranteed	Typical	
Frequency Range	f_L～f_H	MHz	10～500	10～200	10～600
Insertion loss	I.L	dB	1.6(Max)	0. 6	0. 8
Isolation	Iso	dB	20(Min) △	25	23
Phase Balance	△P	deg	5° (Max) △	1°	2°
Amplitude Balance	△M	dB	0.8(Max)	0. 2	0. 3
VSWR	VSWR	----	1.5:1(Max)	1.2:1	1.3:1

" △ " Measured at Tc=24±1℃

Absolute Maximum Ratings
Input Power : 1W
Storage Temp:+125℃

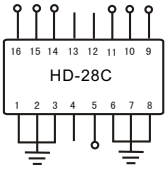


HD-28C

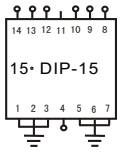


DIP-15

Application Notes
1.Input/output pins should be connected to 50 Ω microstrip.
2.Functional schematic shown as following



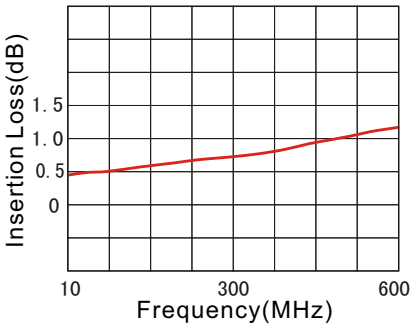
PIN5: Input
PIN9,10,11,14,15,16:Output
PIN1,2,3,6,7,8,12,13:GND
PIN4: N/C



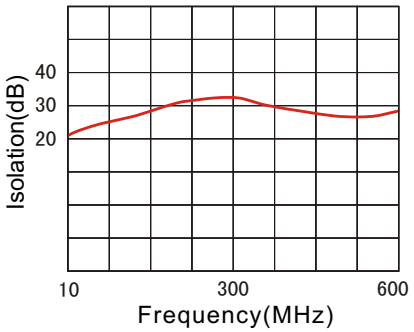
PIN4: Input
PIN8,9,10,12,13,14:Output
PIN1,2,3,5,6,7,15:GND
PIN11: N/C

Typical Performance

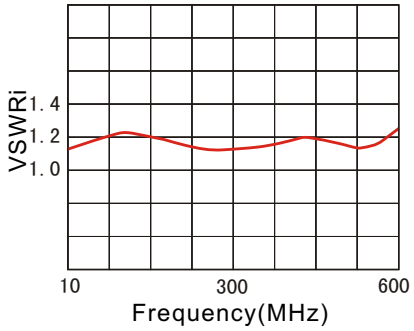
Insertion Loss vs. Frequency



Isolation vs. Frequency



VSWRi vs. Frequency



VSWRo vs. Frequency